February 7, 2012

Mr. Dennis Carroll
President
Consolidated Glass & Mirror Corporation
P.O. Box 389
Galax, Virginia 24333

Location: Galax, Virginia
Registration No. 11015
Facility ID No. 51-640-00060

Dear Mr. Carroll:

Attached is a permit to operate your mirror manufacturing facility pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In evaluating the application and arriving at a final decision to issue this permit, the Department deemed the application complete on October 14, 2011, and solicited written public comments by placing a newspaper advertisement in the *Galax Gazette* on December 14, 2011. The thirty-day comment period (provided for in 9 VAC 5-80-270) expired on January 17, 2012, with no comments having been received in this office.

This approval to operate does not relieve Consolidated Glass & Mirror Corporation of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
P.O. Box 1105
Richmond, Virginia 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please call Robert Lowe at (276) 676-4863.

Sincerely,

Dallas R. Sizemore
Regional Director

Attachment: Permit

cc: Director, OAPP (electronic file submission)
Manager, Data Analysis (electronic file submission)
Chief, Air Enforcement Branch (3AT13), U.S. EPA, Region III

Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or it expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-305 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Consolidated Glass & Mirror Corporation
Facility Name:	Plant No. 1
Facility Address:	305 Lineberry Road, Galax VA
DEQ Registration No:	11015
Permit Number:	SWRO11015
Effective Date:	March 17, 2012
Expiration Date:	March 16, 2017

Dallas R. Sizemore, Regional Director
Department of Environmental Quality
Signature Date: February 7, 2012

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Consolidate Glass & Mirror Corporation – Plant No. 1
Title V Operating Permit Table of Contents

I. Facility Information

Permittee
Consolidated Glass & Mirror Corporation
P.O. Box 389
Galax, VA 24333

Responsible Official
Mr. Dennis Carroll
(276) 236-5196

Contact Person
Mike Sizemore

Facility
Plant No. 1
305 Lineberry Road, Galax, VA

NET Identification Number: 51-640-00060

Facility Description: SIC 3231 – Glass Products, Made of Purchased Glass

Consolidated Glass & Mirror Corporation (CG&M) manufactures mirrors and other liquid coatings glass products at their Plant #1, located at 305 Lineberry Road in Galax, Virginia. In conventional mirror production large sheets of glass are delivered to the plant and fed onto the silver line where they are transformed into mirrors on a constantly moving conveyor line. The top surface of the glass is cleaned with water and automated rotating brushes and is then lightly etched with cerium oxide. The cerium oxide roughens the surface of the glass and improves chemical adhesion. A tin sensitizer solution and a silver solution are applied to produce the reflective mirror surface. A copper solution is applied over the silver solution to improve the adhesion of the mirror backing paint to the reflective mirror surface. The mirrors are then heated in an electric oven. The heated mirrors pass through a continuously flowing curtain of paint at the curtain coater. The backing paint is applied over the reflective metals to protect them from environmental conditions (moisture). The viscosity of the backing paint is constantly monitored and additional solvent is added as needed. The mirror back painting process is responsible for the majority of the VOC emissions from the facility.

After exiting the curtain coater, the mirrors are dried in a series of infrared ovens that encompass a section of the conveyor line. The mirrors are allowed to cool slightly before entering the rotogravure, which applies an ultra-violet (UV) coating over the backing paint to protect and improve its durability. UV light is used to cure the UV coating. Solar panel (non-reflective) and window glass (UV) manufacturing operations were added in 2006. Existing mirror line equipment is utilized for these applications. Multi-coat curtain coater lines 2, 3, and 4 were added in 2010 and 2011.

The mirrors are then unloaded from the conveyor line and inspected for flaws. The mirrors may then be sent directly to shipping or to any of the various cutting, grinding, and/or beveling operations at the facility.

Emission sources at the facility include the curtain coater (mirror backing paint) lines, glass cutting lubricant, and glass grinding & beveling coolant.

The facility is a Title V major source of VOC emissions. This source is located in an attainment area for all criteria pollutants. The facility was previously permitted under a minor NSR Permit issued on February 2, 2011(as amended August 19, 2011).

Compliance Assurance Monitoring (CAM) requirements (40 CFR 64) are not applicable to Emission Unit I.D. Nos. 1.A, 1.B, 2, and 3 at this facility since there are no pollution control devices associated with the emission units. CAM requirements are applicable to Emission Unit I.D. No. 4 since this unit utilizes a regenerative thermal oxidizer (RTO) for VOC control.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Curtain Coater – Mirror Back Painting							
1.A	1.A	Sommer and Maca mirror backing paint curtain coater (Jan 1984)	40 gallons per minute	-	-	-	NSR permit issued 02/02/11 (as amended 08/19/11)
Rotogravure UV Roll Coater							
1.B	1.B	Sommer and Maca rotogravure UV roll coater (Jan 1985)	7 lbs./hr	-	-	-	NSR permit issued 02/02/11 (as amended 08/19/11)
Glass Cutting							
2	-	Lubricant for Bystronic Glass Cutting Machine	2 lbs./hr	-	-	-	NSR permit issued 02/02/11 (as amended 08/19/11)
Glass Grinding & Beveling							
3	-	Coolant for glass grinding & beveling operations	200 gallons per week	-	-	-	NSR permit issued 02/02/11 (as amended 08/19/11)

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Multi-Coat Mirror Production Line							
4	9	Mirror backing paint curtain coater lines 2, 3, and 4 with drying ovens	40 gallons per minute each	RTO (regenerative thermal oxidizer)	1	VOC	NSR permit issued 02/02/11 (as amended 08/19/11)

III. Curtain Coater / Mirror Back Painting (Emission Unit ID No. 1.A)

A. Limitations

1. The curtain coater mirror back painting operation (Unit ID No. 1.A) shall consume no more than 88.23 lb/hr and 98.87 tons/yr of paint, calculated as the sum of each consecutive twelve (12) month period. Only paints identified as: PPG Industries UC57354 Gray Mirror Back CC Paint; Lilly Industries, Inc. Betashield 5000 (07280207 and 07280177); Valspar 900X100 Gray Curtain Coat M/B; or their equivalents, may be utilized in the curtain coater mirror back painting operation. (9 VAC 5-80-1180, 9 VAC 5-80-110 B and Condition 5 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

2. The curtain coater mirror back painting operation (Unit ID No. 1.A) shall consume no more than 22.47 lb/hr and 24.82 tons/yr of n-butyl acetate, or equivalent reducer, calculated as the sum of each consecutive twelve (12) month period. (9 VAC 5-80-1180, 9 VAC 5-80-110 B and Condition 5 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

3. Emissions from the operation of the curtain coater mirror back painting process (Unit ID No. 1.A) shall not exceed the limitations specified below:

Volatile Organic Compounds	123.61 lbs/hr	100.00 tons/yr

   Annual emissions are to be calculated as the sum of each consecutive twelve (12) month period.
   (9 VAC 5-50-260, 9 VAC 5-80-110 B, and Condition 11 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

4. The curtain coater unit (Unit I.D. No. 1A) shall consume no more than 20.0 lb/hr and 5.0 tons/yr of Guardian AR Coating, or its equivalent. Annual consumption shall be calculated as the sum of each consecutive 12 month period. (9 VAC 5-80-1180, 9 VAC 5-80-110 B and Condition 5 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

5. The consumption of n-propanol, or equivalent cleaning solvent, shall not exceed 5.0 tons/yr, calculated monthly as the sum of each consecutive 12 month period. (9 VAC 5-80-1180, 9 VAC 5-80-110 B and Condition 7 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

6. The curtain coater unit (Unit No. I.D. No. 1A) shall consume no more than 88.23 lb/hr and 810 pounds/yr of Red Spot Guardian Galax CC Coating, or its equivalent. Annual consumption shall be calculated as the sum of each consecutive 12 month period. (9 VAC 5-80-1180, 9 VAC 5-80-110 B and Condition 5 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

7. The curtain coater unit (Unit No. I.D. No. 1A) shall consume no more than 104.6 lb/hr and 26.15 tons/yr of n-propanol reducer, or its equivalent. Annual consumption shall be calculated as the sum of each consecutive 12 month period. (9 VAC 5-80-1180, 9 VAC 5-80-110 B and Condition 5 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

B. Monitoring and Recordkeeping

The permittee shall maintain a monthly and annual material balance for the curtain coater mirror back painting operation (Unit ID No. 1.A) including the throughput and emissions of VOC. Hourly throughput (or emissions) shall be calculated by dividing the total monthly throughput (or emissions) by the corresponding hours of unit operation. Annual throughput and emissions shall be calculated as the sum of each consecutive twelve (12) month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 B, and Condition 17 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

The periodic monitoring requirements for the curtain coater mirror back painting operation (Unit ID No. 1.A) shall be accomplished through the recordkeeping requirements listed above.

C. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate methods in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

IV. Rotogravure UV Roll Coater (Emission Unit ID No. 1.B)

A. Limitations

1. The rotogravure UV coating process (Unit ID No. 1.B) shall consume no more than 25.0 lb/hr and 75.0 T/yr of the Fenzi S.P.A. Topcoat UV 1 coating or its equivalent, calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-1180, 5-80-110 B, and Condition 8 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

2. Emissions from the operation of the rotogravure UV coating process (Unit ID No. 1.B) shall not exceed the limitations specified below:

Volatile Organic Compounds	2.75 lbs/hr	8.25 tons/yr

Annual emissions are to be calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-50-260, 9 VAC 5-80-110 B, and Condition 13 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

B. Monitoring and Recordkeeping

The permittee shall maintain a monthly and annual material balance for the rotogravure UV coating process (Unit ID No. 1.B) including the throughput and emissions of VOC. Hourly throughput (or emissions) shall be calculated by dividing the total monthly throughput (or emissions) by the corresponding hours of unit operation. Annual throughput and emissions shall be calculated as the sum of each consecutive twelve (12) month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 B, and Condition 17 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

The periodic monitoring requirements for the rotogravure UV coating process (Unit ID No. 1.B) shall be accomplished through the recordkeeping requirements listed above.

C. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate methods in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

V. Glass Cutting Operations (Emission Unit ID No. 2)

A. Limitations

1. The glass cutting operations (Unit ID No. 2) shall consume no more than 32.0 lb/hr and 5.0 T/yr of mineral spirits or equivalent lubricant, calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-1180, 5-80-110 B, and Condition 9 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

2. Emissions from the glass cutting operations (Unit ID No. 2) shall not exceed the limitations specified below:

Volatile Organic Compounds	32.00 lbs/hr	5.00 tons/yr

Annual emissions are to be calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-50-260, 9 VAC 5-80-110 B, and Condition 14 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

B. Monitoring and Recordkeeping

The permittee shall maintain a monthly and annual material balance for the glass cutting operations (Unit ID No. 2) including the throughput and emissions of VOC. Hourly throughput (or emissions) shall be calculated by dividing the total monthly throughput (or emissions) by the corresponding hours of unit operation. Annual

throughput and emissions shall be calculated as the sum of each consecutive twelve (12) month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 B, and Condition 17 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

The periodic monitoring requirements for the glass cutting operations (Unit ID No. 2) shall be accomplished through the recordkeeping requirements listed above.

C. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate methods in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

VI. Glass Grinding & Beveling Operations (Emission Unit ID No. 3)

A. Limitations

1. The glass grinding & beveling operations (Unit ID No. 3) shall consume no more than 13.9 lb/hr and 80.0 T/yr of Quaker Microcut 106-C, or equivalent coolant, calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-1180, 5-80-110 B, and Condition 10 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

2. Emissions from the circulation and storage of the glass grinding & beveling coolant shall not exceed the limitations specified below:

Volatile Organic Compounds	1.39 lb/hr	8.00 tons/yr

Annual emissions are to be calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-50-260, 9 VAC 5-50-320, 9 VAC 5-80-110 B, and Condition 15 of the NSR permit issued February 2, 2011(as amended August 19, 2011))

B. Monitoring and Recordkeeping

The permittee shall maintain a monthly and annual material balance for the glass coolant used in the glass grinding & beveling operations (Unit ID No. 3), including the throughput and emissions of VOC. Hourly throughput (or emissions) shall be calculated by dividing the total monthly throughput (or emissions) by the corresponding hours of unit operation. Annual throughput and emissions shall be calculated as the sum of each consecutive twelve (12) month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 B, and Condition 17 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

The periodic monitoring requirements for the glass grinding & beveling operations (Unit

ID No. 3) shall be accomplished through the recordkeeping requirements listed above.

C. Testing

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate methods in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

VII. Curtain Coater/Mirror Back Painting Lines 2, 3, and 4 (Emission Unit ID No. 4)

A. Limitations

1. The three multi-coat curtain coater lines 2, 3, and 4 shall consume no more than the listed quantities of the following materials, or their equivalents:

Approved Coating Materials for curtain coater lines 2, 3, and 4	Consumption Limit	
	Hourly	Annual
Fenzi Solarlux 0093, Fenzi Solarlux 0094, Fenzi Solarlux 0095, Valspar Woodlands Green (4201G1300); Valspar Ocean Blue (10L093); Valspar Light Grey (SK3110); Valspar Reddish Leaded (SK9165); and Valspar Deco Glass HP White (SK2940)	360.3 lbs	950 tons
Sunoco Xylene Reducer (Product Code 430500)	58.08 lbs	153 tons

(9 VAC 5-80-1180, 9 VAC 5-80-110 B and Condition 6 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

2. Emissions from the operation of the multi-coat curtain coating lines 2, 3, and 4 shall not exceed the limitations specified below:

Volatile Organic Compounds	23.05 lb/hr	60.76 tons/yr

Annual emissions are to be calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-50-260, 9 VAC 5-50-320, 9 VAC 5-80-110 B, and Condition 12 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

3. Volatile organic compound (VOC) emissions from the mullti-coat curtain coating lines 2, 3, and 4 (Unit ID No. 4) shall be controlled by a regenerative thermal oxidizer (RTO), or equivalent. The RTO shall be provided with adequate access for inspection and shall be in operation when curtain coater lines 2, 3, and 4 are operating.
(9 VAC 5-50-260, 9 VAC 5-80-1180, 9 VAC 5-80-110 B, and Condition 2 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

4. The RTO for the multi-coat curtain coater lines 2, 3, and 4 (Unit ID No. 4) shall provide a control efficiency for VOC of not less than 98% on a mass basis.
(9 VAC 5-50-260, 9 VAC 5-80-1180, 9 VAC 5-80-110 B, and Condition 3 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

5. The enclosures to the three (3) multi-coat curtain coating lines 2, 3, and 4 (Unit ID No. 4) shall provide an overall VOC capture efficiency of not less than 90% on a mass basis. The VOC capture efficiency shall be determined by an approved negative pressure enclosure procedure, or alternative methods as approved by the DEQ.
(9 VAC 5-50-260, 9 VAC 5-80-1180, 9 VAC 5-80-110 B, and Condition 4 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

B. Monitoring and Recordkeeping

The permittee shall maintain a monthly and annual material balance for the multi-coat curtain coating lines 2, 3, and 4 (Unit ID No. 4), including the throughput and emissions of VOC. Hourly throughput (or emissions) shall be calculated by dividing the total monthly throughput (or emissions) by the corresponding hours of unit operation. Annual throughput and emissions shall be calculated as the sum of each consecutive twelve (12) month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 B, and Condition 17 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

The periodic monitoring requirements for the multi-coat curtain coating lines 2, 3, and 4 operations (Unit ID No. 4) shall be accomplished through the recordkeeping requirements listed above.

C. Compliance Assurance Monitoring (CAM) Requirements

1. The permittee shall monitor, operate, calibrate and maintain the regenerative thermal oxidizer (RTO) for Unit I.D. No. 4 according to the following:

Monitoring, Frequency, Records	Performance Criteria	Indicator Range; Averaging Period
Monitor the RTO chamber average temperature continuously. A measurement frequency of 4 data points per hour is required. A valid hour is a minimum of 45 minutes of data. The temperature is recorded continuously on a circular chart recorder, a tracker feed recorder, and digital readout.	Observe excursion from normal temperature range of 1519ºF< T< 1530ºF. An excursion is a temperature less than 1525ºF for more than 5 minutes. Minimum air residence time in the retention chamber is 1.5 seconds.	Chamber temperature is averaged continuously by multiple thermocouples. The minimum tolerance of the thermocouple is + or – 0.75% of the actual temperature. The minimum chart recorder sensitivity (minor division) is 20ºF.
An excursion triggers an inspection, corrective action, VADEQ notification, and reporting.	Inspections by a qualified employee with at least one year of experience in maintenance or certified trained personnel of RTO control devices.	As noted above.
Maintenance logs of all maintenance activities as required by manufacturer's specifications and recommendations; the accuracy of the thermocouple will be verified by calibration before final installation and semi-annual preventive maintenance inspections.	A qualified employee with at least one year of experience in maintenance or certified trained personnel of RTO control devices. Operational status is verified by RTO light and all burners firing.	Logs maintained and available for inspection on a daily basis or as requested.

(9 VAC 5-80-110 and 40 CFR 64)

2. The permittee shall conduct the monitoring and fulfill the other obligations specified in 40 CFR 64.7 through 40 CFR 64.9.
(9 VAC 5-80-110, 9 VAC 5-80-490 E and 40 CFR 64.6 (c))
3. At all times, the permitttee shall maintain the RTO equipment, including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
(9 VAC 5-80-110, 9 VAC 5-80-490 E and 40 CFR 64.7 (b))

4. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the multi-coat curtain coater lines 2, 3, and 4 (Unit I.D. No. 4) are operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of compliance assurance monitoring, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by inadequate maintenance or improper operation are not malfunctions.
(9 VAC 5-80-110, 9 VAC 5-80-490 E and 40 CFR 64.7 (c))

5. Upon detecting an excursion or exceedance, the permittee shall restore operation of the multi-coat curtain coater lines 2, 3, and 4 (Unit I.D. No. 4), including the RTO (control device), and associated capture system to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup and shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator, designated condition, or below the applicable emission limitation or standard, as applicable.
(9 VAC 5-80-110, 9 VAC 5-80-490 E and 40 CFR 64.7 (d)(1))

6. Determination that acceptable procedures were used in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.
(9 VAC 5-80-110, 9 VAC 5-80-490 E and 40 CFR 64.7(d)(2))

7. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the Director, Southwest Regional Office and, if necessary, submit a proposed modification to this permit to

address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.
(9 VAC 5-80-110, 9 VAC 5-80-490 E and 40 CFR 64.7(e))

8. If the number of exceedances or excursions exceeds 5 percent duration of the operating time for the multi-coat curtain coater lines 2, 3, and 4 (Unit I.D. No. 4) for a semiannual reporting period, the permittee shall develop, implement and maintain a Quality Improvement Plan (QIP) in accordance with 40 CFR 64.8. If a QIP is required, the permittee shall have it available for inspection. The QIP initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the permittee shall modify the plan to include procedures for conducting one or more of the following, as appropriate:

   a. Improved preventative maintenance practices;
   b. Process operation changes;
   c. Appropriate improvements to control methods;
   d. Other steps appropriate to correct control performance; and
   e. More frequent or improved monitoring.

   (9 VAC 5-80-110, 9 VAC 5-80-490 E and 40 CFR 64.8(a) and (b))

9. The permittee shall maintain a monthly and annual material balance for the multi-coat curtain coating lines 2, 3, and 4 (Unit ID No. 4), including the throughput and emissions of VOC. Hourly throughput (or emissions) shall be calculated by dividing the total monthly throughput (or emissions) by the corresponding hours of unit operation. Annual throughput and emissions shall be calculated as the sum of each consecutive twelve (12) month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-50-50, 9 VAC 5-80-110 B, and Condition 17 of the NSR permit issued February 2, 2011 (as amended August 19, 2011)).

10. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to: the combined monthly and annual consumption of mirror back coatings and xylene reducer in the multi-coat curtain coater lines 2, 3, and 4 (Unit I.D. No. 4); and performance test results. Tons per year consumption and emissions are to be calculated as the sum of each consecutive 12 month period. These records shall be kept on file for the most current five (5) year period and shall be available on site for inspection by DEQ personnel.
    (9 VAC 5-50-50, 9 VAC 5-80-110 B, and Condition 17 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

D. Testing

1. The permit requires an initial source testing for the multi-coater lines 2, 3, and 4 (Unit I.D. No. 4) following startup. The permittee shall conduct performance tests for volatile organic compounds to and from the RTO for the multi-coat curtain coater lines 2, 3, and 4 (Unit ID No. 4) to demonstrate compliance with the control and capture efficiency requirements contained in Conditions VII.A. 5 and VII.A. 6 of this permit. The tests shall be performed within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of curtain coater lines 2, 3, and 4. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30, and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-50-410. The details of the tests are to be arranged with the Director, Southwest Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. One copy of the test results shall be submitted to the Director, Southwest Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-80-1200, 9 VAC 5-50-410, 9 VAC 5-80-110 B, and Condition 16 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Regulated Pollutant	Reference Method
VOC	EPA Methods 24, 24a, 25a

The Department and EPA have the authority to require testing not included in this permit, if necessary to determine compliance with an emission limit or standard.
(9 VAC 5-80-110)

VIII. Facility-Wide Limitations

A. Opacity

No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than 20% opacity, except for one six-minute period in any hour of not more than 30% opacity. Failure to meet these requirements due to the presence of water vapor shall not be seen as a violation.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

B. Violation of Ambient Air Quality Standard

The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-20-180 I, 9 VAC 5-80-110 B, and Condition 23 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

C. Facility or Control Equipment Malfunction

The permittee shall furnish notification to the Director, Southwest Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but no later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within two weeks of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Director, Southwest Regional Office in writing.
(9 VAC 5-20-180 C, 9 VAC 5-80-110, and Condition 19 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

D. Equipment Maintenance and Operating Procedures

In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment or air pollution control equipment, the permittee shall:

1. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

2. Maintain an inventory of spare parts that are needed to minimize the duration of air pollution control equipment breakdowns.

3. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

4. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
(9 VAC 5-50-20 E, 9 VAC 5-80-110, and Condition 22 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

E. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Upon the request of the board, the owner shall provide, or cause to be provided, emissions testing facilities to include: adequate sampling ports; safe sampling platforms with safe access; and utilities for sampling and testing equipment.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate methods in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

IX. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant Emitted (5-80-720 B.)	Rated Capacity (5-80-720 C.)
21	Floor Patch	9 VAC 5-80-720 A7	none	20 gal/yr
22, 47	Silver Nitrate Solution (mirror plating process)	9 VAC 5-80-720 B	none	4200 gal/yr
23	Sodium Hydroxide Solution (mirror plating process)	9 VAC 5-80-720 B	none	4200 gal/yr
24	Tin Sensitizer Solution (mirror plating process)	9 VAC 5-80-720 B2	HCl	120 gal/yr
25	Ventilation for Wheel Dressing Machine Room	9 VAC 5-80-720 B	none	-
26	UV Cleanup	9 VAC 5-80-720 B	VOC	440 gal/yr
27	Sulfuric Acid (pH control for wastewater treatment and mixing copper sulfate solution for silverline)	9 VAC 5-80-720 B	none	2750 gal/yr
28	Muriatic Acid (regeneration of deionizers and cleaning filter cloths in filter press)	9 VAC 5-80-720 B6	HCl (31.5%) (none emitted)	4950 gal/yr
29	Caustic Soda (Wastewater pH)	9 VAC 5-80-720 B	none	7920 gal/yr
30	Acetic Acid (Ammonia Scrubber Cleaning)	9 VAC 5-80-720 B	none	3 gal/yr

Emission Unit No.	Emission Unit Description	Citation	Pollutant Emitted (5-80-720 B.)	Rated Capacity (5-80-720 C.)
31 32 34	Drilling & Shaping: - Slitters - Finger Pull - Seam Belt	9 VAC 5-80-720 B	none	-
35	Vinyl Backing	9 VAC 5-80-720 B	none	720,000 ft/yr
36	Boric Acid (Adjust Coolant Pit pH)	9 VAC 5-80-720 B	none	9000 lbs/yr
37	Defoamer (Coolant Pit and Wastewater Treatment)	9 VAC 5-80-720 B2	VOC	60 gal/yr
38	Soap for Washers	9 VAC 5-80-720 B	none	55 gal/yr
39	Face-Down Stripper (Mirror Cleaning)	9 VAC 5-80-720 B	none	4875 gal/yr
40	Nitric Acid (Silver Line Cleaning)	9 VAC 5-80-720 B	none	300 gal/yr
41	Parts Washer	9 VAC 5-80-720 B2	VOC	250 gal/yr
42	Propane-Fired Space Heaters and Water Heaters	9 VAC 5-80-720 B	VOC, NO_X, CO	91,000 gal/yr
43, 48	Copper Sulfate Pentahydrate (Mirror Plating)	9 VAC 5-80-720 B	none	5800 lbs/yr
44	Sugar Solution (Mirror Plating)	9 VAC 5-80-720 B	none	4200 gal/yr
45	Cerium Oxide (Glass Cleaning/Polishing/Etching)	9 VAC 5-80-720 B	none	20 tons/yr
46	Hydraulic Oil	9 VAC 5-80-720 B	VOC	-
47	Silver Exhaust	9 VAC 5-80-720B	None	-
48	Copper Exhaust	9 VAC 5-80-720B	None	-
49	Wastewater treatment	9 VAC 5-80-720B	-	-

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

X. Permit Shield and Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit. Had there been any requirements specifically identified as being

not applicable to this permitted facility, those requirements would also have been covered by the permit shield.

Nothing in this permit shield shall alter the provisions of § 303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to § 114 of the federal Clean Air Act, (ii) the Board pursuant to § 10.1-1314 or § 10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to § 10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XI. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless a timely and complete renewal application consistent, with 9 VAC 5-80-80, has been submitted, to the Department, by the owner, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen (18) months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

b. All deviations from permit requirements. For purposes of this permit, a "deviation" means any condition determined by observation, data from any monitoring protocol or any other monitoring which is required by the permit that can be used to determine compliance. Deviations include exceedances documented by continuous emission monitoring or excursions from control performance indicators documented through periodic or compliance assurance monitoring.

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to § 114(a)(3) and § 504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. A description of the means for assessing or monitoring the compliance of the source with its emissions limitations, standards, and work practices.
3. The identification of each term or condition of the permit that is the basis of the certification.
4. The status of compliance with the terms and conditions of this permit for the certification period.
5. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
6. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
7. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Southwest Regional Office, within four daytime business hours of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XI.C.3 of this permit.
(9 VAC 5-80-110 F.2)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Southwest Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Southwest Regional Office in writing.
(9 VAC 9 VAC 5-20-180 C, 9 VAC 5-80-110 B, and Condition 19 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
(9 VAC 5-80-110 G.4)

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:

   a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is the potential of, a resulting emissions increase;

   b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;

   c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase is authorized by an emission cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;

   d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;

   e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;

   f. Addition of an emissions unit which qualifies as insignificant by emissions rate (9 VAC 5-80-720 B) or by size or production rate (9 VAC 5-80-720 C);

   g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and by 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.

   (9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the board, within a reasonable time, any information that the board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355.
(9 VAC 5-80-110 H)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited, to the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-50)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80 Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-170-130, 9 VAC 5-80-110 K.2, and Condition 21 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

R. Reopening For Cause

The permit shall be reopened by the board if additional federal requirements become applicable to a major source with a remaining permit term of three or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.

(9 VAC 5-80-160, 9 VAC 5-80-1240, and Condition 25 of the NSR permit issued February 2, 2011 (as amended August 19, 2011))

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.
   (9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The board may suspend, under such conditions and for such period of time as the board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substance subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A - F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required, under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)